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UTILITY PATENT APPLICATION **TRANSMITTAL**

24061.46 / TSMC2003-0009 Attorney Docket No. Kuo-Chi Tu First Inventor METHOD AND STRUCTURE IMPROVING ISOLATION BETWEEN MEMORY CELL Title EV 333437242 US Express Mail Lahel No.

(Only for new nonprovisional applications under 37 CFR 1.53(b))

			Lxpress W	iali Label IVO.							
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.			Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450								
(Submi Applic See 3: Specific (preferr - Descripe - Cross - State - Referr or a c - Back - Brief - Brief - Detail - Claim	e Transmittal Form (e.g., PTO/SB/17) bmit an original and a duplicate for fee processing) blicant claims small entity status. e 37 CFR 1.27. ecification [Total Pages18] elefered arrangement set forth below) escriptive title of the invention ross Reference to Related Applications atatement Regarding Fed sponsored R & D eference to sequence listing, a table, a computer program listing appendix ackground of the Invention rief Summary of the Invention rief Description of the Drawings (if filed) etailed Description laim(s) setract of the Disclosure			7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS							
4. V Drawin	rawing(s) (35 U.S.C. 113) [Total Sheets5]			9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney							
Oath or Declaration [Total Sheets] Newly executed (original or copy)			11. 12.	English Trans Information Di	lation Docu sclosure	ment <i>(if applic</i> C	able) opies of IDS				
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)			13. 🗆 14. 🔽	14. Return Receipt Postcard (MPEP 503)							
i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76			(Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other: Express Mail Certificate: Check.								
specification for	llowing the title,	ATION, check appropriate box, and su or in an Application Data Sheet under s	37 CFR 1.76:								
Continuation Divisional Continuation-in-part (CIP) of prior application No.:											
Prior application information: Examiner For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.											
		19. CORRESPON	IDENCE AD	DRESS							
Customer Number: 27683				OR Correspondence address below							
Name	David M. O'Dell										
Address	Haynes and Bo										
City	901 Main Stree Dallas	i, Suite 3100	State TX			Zip Code 75202					
		1	72-739-8635		Fax	214-200-0853					
Name (Print/Type) David M. 9009 A Registration No. (Attorney/Agent) 42,044											
Signature	X	V-11/1/1/	•			Date 12	-1/-m				

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/\$B/17 (10-03)

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EEE TOANGMITTA	Complete if Known						
F FEE TRANSMITTA	니	Application Number					
for EV 2004		Filing Date					
for FY 2004		First Named Inventor		tor	Kuo-Chi Tu .		
Effective 10/01/2003. Patent fees are subject to annual revision		Examiner Name					
Applicant claims small entity status. See 37 CFR 1.27		Art Unit					
TOTAL AMOUNT OF PAYMENT (\$) 788.00		Attorney Docket No. 24061.46 / TSMC2003-0009				$\overline{}$	
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)					
Check Credit card Money Other None	3. ADDITIONAL FEES						
Order Order	Large Entity Small Entity						
Denosit	Fee Code	Fee (\$)	Fee Code	Fee (\$)		Fee Description	Fee Paid_
Account Number 08-1394	1051		2051		Surch	arge - late filing fee or oath	Fee Falu
Deposit Account Haynes and Boone, LLP	1052	50	2052			arge - late provisional filing fee or	
Name	1053	130	1053			sheet English specification	
The Director is authorized to: (check all that apply)		2,520	1812 2			ng a request for ex parte reexamination	
Charge fee(s) indicated below Credit any overpayments Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804	920*	Reque	esting publication of SIR prior to	
Charge fee(s) indicated below, except for the filing fee	4005	4.040*	4005			iner action	
to the above-identified deposit account.	1805	1,840*	1805	1,840*		esting publication of SIR after iner action	
FEE CALCULATION	1251	110	2251	55	Exten	sion for reply within first month	
1. BASIC FILING FEE	1252	420	2252	210	Exter	sion for reply within second month	
Large Entity Small Entity	1253	950	2253	475	Exter	sion for reply within third month	\vdash
Fee Fee Fee Fee Paid Fee Paid Code (\$) Code (\$)	1254	1,480	2254			sion for reply within fourth month	——I
1001 770 2001 385 Utility filing fee 770.00	1255	2,010	2255	1,005	Exter	sion for reply within fifth month	
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notic	e of Appeal	
1003 530 2003 265 Plant filing fee	1402		2402		_	a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403		2403			est for oral hearing	
1005 160 2005 80 Provisional filing fee	1	1,510	l			on to institute a public use proceeding	<u> </u>
SUBTOTAL (1) (\$) 770.00	1452		2452			on to revive - unavoidable	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1	1,330	2453			on to revive - unintentional	<u> </u>
Fee from Extra Claims below Fee Paid	1501	1,330 480	2501 2502		-	rissue fee (or reissue) an issue fee	
Total Claims 21 -20** = 1 x 18 = 18.00	1503		2502		_	issue fee	
Independent Claims 3 - 3** = 0 X 86 =	1460		1460			ons to the Commissioner	
Multiple Dependent	1807	50	1807			essing fee under 37 CFR 1.17(g)	
Large Entity Small Entity	1806	180	1806			nission of Information Disclosure Stmt	
Fee Fee Fee Fee <u>Fee Description</u> Code (\$) Code (\$)	8021	40	8021	40	Reco	rding each patent assignment per	
1202 18 2202 9 Claims in excess of 20	1809		2809		prope	rty (times number of properties) a submission after final rejection	igwdots
1201 86 2201 43 Independent claims in excess of 3	1009	110	2009	303		FR 1.129(a))	
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385		ach additional invention to be	
1204 86 2204 43 ** Reissue independent claims over original patent	180	770	2801	385		ined (37 CFR 1.129(b)) uest for Continued Examination (RCE)	
1205 19 2205 0 ** Poissus claims in excess of 20	1802	900	1902	000	•	uest for expedited examination (NCL)	├

SUBMITTED BY					(Complete (if applicable))
Name (Print/Type)	David M. Dell		Registration No. (Attorney/Agent)	42,044	Telephone	972-739-8635
Signature	I worke	7			Date	12-11-03

Other fee (specify)

*Reduced by Basic Filing Fee Paid

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SUBTOTAL (3) (\$) 0.00

of a design application

and over original patent

SUBTOTAL (2)

**or number previously paid, if greater; For Reissues, see above

(\$) 18.00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Group Art Unit: Unknown

Examiner: Unknown

Serial No. Unknown

999999

Filed: Herewith

For: METHOD AND STRUCTURE IMPROVING

ISOLATION BETWEEN MEMORY CELL

PASSING GATE AND CAPACITOR

EXPRESS MAIL CERTIFICATE

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Express Mail Number: EV 333437242 US

Date of Deposit: December 11, 2003

I hereby certify that the following attached papers and fee:

- 1. Utility Patent Application Transmittal;
 - 2. Fee Transmittal (in duplicate);
 - 3. Application Data Sheet;
 - 4. Patent Application consisting of 11 pages of specification, 21 claims and 1 page Abstract of Disclosure;
 - 5. Five (5) drawing sheets;
 - 6. Check in the amount of \$788.00; and
 - 7. Return Postcard

are being deposited with United States Postal Service "Express Mail Post Office to Addressee" to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Bonnie Boyle

Typed or Printed Name

R-62210.1